

CPC NHC OPC WPC CCB
Meeting Agenda
1830Z – 17 Mar 2016

I. Enterprise Discussion

A. Schedule of Events (SOE) Enterprise highlights, available [online](#)

❖ **WCOS:**

- On Monday March 21:
 - On both Luna and Surge, software in the base directory /gpfs/hps/usrx/local will be removed. Users should be using the versions in either usr/local/dev or usr/local/prod.
 - On both Luna and Surge, software in /opt/cray and the contents of /opt/cray/modulefiles and /opt/modulefiles will be made inaccessible. Again, users should only be using software in /gpfs/hps/usrx/local/dev and /gpfs/hps/usrx/local/prod.
 - The versions of HDF4, HDF5, NetCDF4.2, pnb1.2.49, and zlib1.2.7 in /usrx/local/prod will be synced from Surge to Luna. Users have experienced issues using the current versions on Luna. To effect this change, the SAs will first remove the versions on Luna, so if you try to compile during that time, you'll experience an error.
 - Install Perl modules on Luna and Surge
- March 22 and March 23:
 - NCO will perform a parallel production test to test the GFS upgrade and associated downstream applications. The test will run from the 1200Z cycle on March 22 through the end of the 0600Z cycle on March 23. Access on the dev system will be limited to those supporting production codes and those users will be asked to validate their applications during the test.
 - At the conclusion of the test, users submitting work to exclusive/compute queues (devonprod, debug, dev, devhigh, devmax) will have an LSF restriction of no more than 3GB of allocated memory per job submission or the

job will be rejected. This memory allocation is for the serial work being done on MAMU nodes and should rarely ever exceed 1GB.

- A production switch from Gyre/Surge to Tide/Luna is tentatively planned for Tuesday March 29.

B. Upcoming Model Changes and additions – details are available [online](#).

Model	30-day eval start	30-day eval end	Implementation Date
Global RTOFS	Aug. 13, 2015	Sep. 12, 2015	TBD
NAEFS/CCPA	Feb. 12, 2016	Mar. 13, 2016	Mar. 29, 2016
NGAC	Feb. 19, 2016	Mar. 20, 2016	April 5, 2016
HYSPLIT	Feb. 25, 2016	Mar. 26, 2016	April 12, 2016

Red = not approved by NCEP Director

Blue = approved by NCEP Director

Black = not yet briefed to NCEP Director

- ❖ The TINs for the NAEFS, CCPA, and NGAC upgrades may be viewed at:
 - http://www.nws.noaa.gov/os/notification/tin16-03gefs-naefs_aaa.htm
 - http://www.nws.noaa.gov/os/notification/tin16-02ccpa_aaa.htm
 - <http://www.nws.noaa.gov/os/notification/tin16-06ngac.htm>

C. Proposed upcoming NCO RFC(s) with potential Enterprise effect:

- ❖ Modify DBNet on WCOSS and NCOSRV to begin pulling NHC-generated input wind grids for NWPS. To be implemented on March 22 at 1200Z.
- ❖ Enable sudo for CPC production accounts cpcfct, cpcobs, cpcwebs, cpccdata, cwlinks, and cpcsat for CPC users. To be implemented on March 24 at 1500Z.
- ❖ CPC has already moved their operations to the RHEL5 CPCCF VMs. The older RHEL5 systems are being re-purposed as dev and QA systems. For this purpose, VMs cpccf4-6 and 10-12 will be decommissioned. To be implemented on March 24 at 1400Z.
- ❖ The LDM software on NCODF/2 will be modified to begin saving files that contain three dimensional solutions to the quasigeostrophic omega, geopotential tendency, and Zwack-Okossi development equations for use by

WPC. In the future, this data has the potential to reduce the need to transmit model data on lower resolution grids. IWSB will also make a new data container for these files on the NetApp. To be implemented on March 22 at 1200Z.

- ❖ The pqact.conf file on mrms ldmstore[a/b] will be updated to match the work tested on the qa tier. This will create additional files on the mounted /common/data/apps/mrms/ops/system[a/b] directories to fulfill internal IDP user requests. An additional tweak is being made to the timing of w2merger processes will be implemented on mrms-ak/hi/trop-[a/b] vms to reduce data rejections as requested by MRMS users. To be implemented on March 21 at 1300Z.

D. Partners presentation/discussion

II. New Business

Review Weekly Status Report

- ❖ Scheduled RFCs (Approve/Reject/Defer)
- ❖ Discuss RFCs rejected by the CM staff

III. Old Business

- ❖ Verify Completion of Previously Scheduled RFCs
- ❖ Deferred Items

IV. Announcements/Reminders

None

V. Next meeting – Thursday, 24 March 2016 @ 1:30 PM ET (1830Z)